

A DOCPHOENIX

STIC INTERNAL

CRFD
Computer Readable Form Defective

CRFE 13
Computer Readable Form "ENTERED"

TC INTERNAL

SEQREQ
Sequence Problem Att. From Exr.

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/534,082A
Source: PCP
Date Processed by STIC: 8/15/06

ENTERED

CRF Errors Edited by the STIC Systems Branch

Serial Number: 10/534,082A

CRF Edit Date: 8/15/06
Edited by: M

— Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line

1

Corrected the SEQ ID NO. Sequence numbers edited were:

3

— Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

— Deleted: ___ invalid beginning/end-of-file text ; ___ page numbers

— Inserted mandatory headings/numeric identifiers, specifically:

— Moved responses to same line as heading/numeric identifier, specifically:

— Other:



PCT

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/534,082A

DATE: 08/15/2006

TIME: 13:18:45

Input Set : A:\PTO.AMC.txt
 Output Set: N:\CRF4\08152006\J534082A.raw

3 <110> APPLICANT: HINUMA, Shuji
 4 KOBAYASHI, Makoto
 5 HABATA, Yugo
 6 HARADA, Masataka
 7 OKUBO, Shoichi
 8 YOSHIDA, Hiromi
 9 NISHI, Kazunori
 12 <120> TITLE OF INVENTION: A Novel Ligand For FPRL1 And Its Use
 14 <130> FILE REFERENCE: 3118 US0P
 16 <140> CURRENT APPLICATION NUMBER: US/10/534,082A
 17 <141> CURRENT FILING DATE: 2005-05-05
 19 <150> PRIOR APPLICATION NUMBER: PCT/JP2003/014138
 20 <151> PRIOR FILING DATE: 2003-11-06
 22 <150> PRIOR APPLICATION NUMBER: JP 2002-324189
 23 <151> PRIOR FILING DATE: 2002-11-07
 25 <150> PRIOR APPLICATION NUMBER: JP 2002-367119
 26 <151> PRIOR FILING DATE: 2002-12-18
 28 <150> PRIOR APPLICATION NUMBER: JP 2003-59073
 29 <151> PRIOR FILING DATE: 2003-03-05
 31 <150> PRIOR APPLICATION NUMBER: JP 2003-191359
 32 <151> PRIOR FILING DATE: 2003-07-03
 34 <150> PRIOR APPLICATION NUMBER: PCT/JP03/14138
 35 <151> PRIOR FILING DATE: 2003-11-06
 37 <160> NUMBER OF SEQ ID NOS: 24
 39 <210> SEQ ID NO: 1
 40 <211> LENGTH: 13
 41 <212> TYPE: PRT
 42 <213> ORGANISM: Porcine
 44 <400> SEQUENCE: 1
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 46 1 5 10
 49 <210> SEQ ID NO: 2
 50 <211> LENGTH: 351
 51 <212> TYPE: PRT
 52 <213> ORGANISM: Homo sapiens
 54 <400> SEQUENCE: 2
 56 Met Glu Thr Asn Phe Ser Thr Pro Leu Asn Glu Tyr Glu Glu Val Ser
 57 1 5 10 15
 60 Tyr Glu Ser Ala Gly Tyr Thr Val Leu Arg Ile Leu Pro Leu Val Val
 61 20 25 30
 64 Leu Gly Val Thr Phe Val Leu Gly Val Leu Gly Asn Gly Leu Val Ile
 65 35 40 45
 68 Trp Val Ala Gly Phe Arg Met Thr Arg Thr Val Thr Ile Cys Tyr

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/534,082A

DATE: 08/15/2006

TIME: 13:18:45

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\08152006\J534082A.raw

69	50	55	60																
72	Leu	Asn	Leu	Ala	Leu	Ala	Asp	Phe	Ser	Phe	Thr	Ala	Thr	Leu	Pro	Phe			
73	65		70		75		80												
76	Leu	Ile	Val	Ser	Met	Ala	Met	Gly	Glu	Lys	Trp	Pro	Phe	Gly	Trp	Phe			
77				85			90									95			
80	Leu	Cys	Lys	Leu	Ile	His	Ile	Val	Val	Asp	Ile	Asn	Leu	Phe	Gly	Ser			
81				100			105									110			
84	Val	Phe	Leu	Ile	Gly	Phe	Ile	Ala	Leu	Asp	Arg	Cys	Ile	Cys	Val	Leu			
85		115				120										125			
88	His	Pro	Val	Trp	Ala	Gln	Asn	His	Arg	Thr	Val	Ser	Leu	Ala	Met	Lys			
89		130				135										140			
92	Val	Ile	Val	Gly	Pro	Trp	Ile	Leu	Ala	Leu	Val	Leu	Thr	Leu	Pro	Val			
93	145				150			155								160			
96	Phe	Leu	Phe	Leu	Thr	Thr	Val	Thr	Ile	Pro	Asn	Gly	Asp	Thr	Tyr	Cys			
97					165			170								175			
100	Thr	Phe	Asn	Phe	Ala	Ser	Trp	Gly	Gly	Thr	Pro	Glu	Glu	Arg	Leu	Lys			
101					180			185								190			
104	Val	Ala	Ile	Thr	Met	Leu	Thr	Ala	Arg	Gly	Ile	Arg	Phe	Val	Ile				
105					195			200								205			
108	Gly	Phe	Ser	Leu	Pro	Met	Ser	Ile	Val	Ala	Ile	Cys	Tyr	Gly	Leu	Ile			
109		210				215			220										
112	Ala	Ala	Lys	Ile	His	Lys	Lys	Gly	Met	Ile	Lys	Ser	Ser	Arg	Pro	Leu			
113	225				230			235								240			
116	Arg	Val	Leu	Thr	Ala	Val	Val	Ala	Ser	Phe	Phe	Ile	Cys	Trp	Phe	Pro			
117					245			250								255			
120	Phe	Gln	Leu	Val	Ala	Leu	Leu	Gly	Thr	Val	Trp	Leu	Lys	Glu	Met	Leu			
121					260			265								270			
124	Phe	Tyr	Gly	Lys	Tyr	Lys	Ile	Ile	Asp	Ile	Leu	Val	Asn	Pro	Thr	Ser			
125					275			280								285			
128	Ser	Leu	Ala	Phe	Phe	Asn	Ser	Cys	Leu	Asn	Pro	Met	Leu	Tyr	Val	Phe			
129		290				295			300										
132	Val	Gly	Gln	Asp	Phe	Arg	Glu	Arg	Leu	Ile	His	Ser	Leu	Pro	Thr	Ser			
133		305				310			315							320			
136	Leu	Glu	Arg	Ala	Leu	Ser	Glu	Asp	Ser	Ala	Pro	Thr	Asn	Asp	Thr	Ala			
137					325			330								335			
140	Ala	Asn	Ser	Ala	Ser	Pro	Pro	Ala	Glu	Thr	Glu	Leu	Gln	Ala	Met				
141					340			345								350			
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157	1				5				10							15			
159	tat	gag	tct	gct	ggc	tac	act	gtt	ctg	cgg	atc	ctc	cca	ttg	gtg	gtg		96	

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/534,082A

DATE: 08/15/2006

TIME: 13:18:45

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\08152006\J534082A.raw

160	Tyr	Glu	Ser	Ala	Gly	Tyr	Thr	Val	Leu	Arg	Ile	Leu	Pro	Leu	Val	Val	
161		20						25						30			
163	ctt	ggg	gtc	acc	ttt	gtc	ctc	ggg	gtc	ctg	ggc	aat	ggg	ctt	gtg	atc	144
164	Leu	Gly	Val	Thr	Phe	Val	Leu	Gly	Val	Leu	Gly	Asn	Gly	Leu	Val	Ile	
165		35						40				45					
167	tgg	gtg	gct	gga	ttc	cg	atg	aca	cgc	aca	gtc	acc	acc	atc	tgt	tac	192
168	Trp	Val	Ala	Gly	Phe	Arg	Met	Thr	Arg	Thr	Val	Thr	Thr	Ile	Cys	Tyr	
169		50						55				60					
171	ctg	aac	ctg	gcc	ctg	gct	gac	ttt	tct	ttc	acg	gcc	aca	tta	cca	ttc	240
172	Leu	Asn	Leu	Ala	Leu	Ala	Asp	Phe	Ser	Phe	Thr	Ala	Thr	Leu	Pro	Phe	
173	65				70					75			80				
175	ctc	att	gtc	tcc	atg	gcc	atg	gga	gaa	aaa	tgg	cct	ttt	ggc	tgg	ttc	288
176	Leu	Ile	Val	Ser	Met	Ala	Met	Gly	Glu	Lys	Trp	Pro	Phe	Gly	Trp	Phe	
177					85				90			95					
179	ctg	tgt	aag	tta	att	cac	atc	gtg	gtg	gac	atc	aac	ctc	ttt	gga	agt	336
180	Leu	Cys	Lys	Leu	Ile	His	Ile	Val	Val	Asp	Ile	Asn	Leu	Phe	Gly	Ser	
181					100				105			110					
183	gtc	tcc	ttg	att	ggt	ttc	att	gca	ctg	gac	cgc	tgc	att	tgt	gtc	ctg	384
184	Val	Phe	Leu	Ile	Gly	Phe	Ile	Ala	Leu	Asp	Arg	Cys	Ile	Cys	Val	Leu	
185					115				120			125					
187	cat	cca	gtc	tgg	gcc	cag	aac	cac	cgc	act	gtg	agt	ctg	gcc	atg	aag	432
188	His	Pro	Val	Trp	Ala	Gln	Asn	His	Arg	Thr	Val	Ser	Leu	Ala	Met	Lys	
189					130				135			140					
191	gtg	atc	gtc	gga	cct	tgg	att	ctt	gct	cta	gtc	ctt	acc	ttg	cca	gtt	480
192	Val	Ile	Val	Gly	Pro	Trp	Ile	Leu	Ala	Leu	Val	Leu	Thr	Leu	Pro	Val	
193	145				150					155			160				
195	tcc	ctc	ttt	ttg	act	aca	gt	act	att	cca	aat	ggg	gac	aca	tac	tgt	528
196	Phe	Leu	Phe	Leu	Thr	Thr	Val	Thr	Ile	Pro	Asn	Gly	Asp	Thr	Tyr	Cys	
197					165				170			175					
199	act	tcc	aac	ttt	gca	tcc	ttg	gg	gg	acc	cct	gag	gag	agg	ctg	aag	576
200	Thr	Phe	Asn	Phe	Ala	Ser	Trp	Gly	Gly	Thr	Pro	Glu	Glu	Arg	Leu	Lys	
201					180				185			190					
203	gtg	gcc	att	acc	atg	ctg	aca	gcc	aga	ggg	att	atc	cg	ttt	gtc	att	624
204	Val	Ala	Ile	Thr	Met	Leu	Thr	Ala	Arg	Gly	Ile	Ile	Arg	Phe	Val	Ile	
205					195				200			205					
207	ggc	ttt	agc	ttg	ccg	atg	tcc	att	gtt	gcc	atc	tgc	tat	ggg	ctc	att	672
208	Gly	Phe	Ser	Leu	Pro	Met	Ser	Ile	Val	Ala	Ile	Cys	Tyr	Gly	Leu	Ile	
209					210				215			220					
211	gca	gcc	aag	atc	cac	aaa	aag	ggc	atg	att	aaa	tcc	agc	cgt	ccc	tta	720
212	Ala	Ala	Lys	Ile	His	Lys	Lys	Gly	Met	Ile	Lys	Ser	Ser	Arg	Pro	Leu	
213	225				230					235			240				
215	cg	gtc	ctc	act	gct	gtg	gtg	gct	tct	ttc	ttc	atc	tgt	tgg	ttt	ccc	768
216	Arg	Val	Leu	Thr	Ala	Val	Ala	Ser	Phe	Phe	Ile	Cys	Trp	Phe	Pro		
217					245				250			255					
219	ttt	caa	ctg	gtt	gcc	ctt	ctg	ggc	acc	gtc	tgg	ctc	aaa	gag	atg	ttg	816
220	Phe	Gln	Leu	Val	Ala	Leu	Leu	Gly	Thr	Val	Trp	Leu	Lys	Glu	Met	Leu	
221					260				265			270					
223	tcc	tat	ggc	aag	tac	aaa	atc	att	gac	atc	ctg	gtt	aac	cca	acg	acg	864
224	Phe	Tyr	Gly	Lys	Tyr	Lys	Ile	Ile	Asp	Ile	Leu	Val	Asn	Pro	Thr	Ser	

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/534,082A

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Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\08152006\J534082A.raw

225	275	280	285															
227	tcc	ctg	gcc	ttc	tcc	aac	agg	gc	tgc	ctc	aac	ccc	atg	ctt	tac	gtc	ttt	912
228	Ser	Leu	Ala	Phe	Phe	Asn	Ser	Cys	Leu	Asn	Pro	Met	Leu	Tyr	Val	Phe		
229	290			295			300											
231	gtg	ggc	caa	gac	ttc	cga	gag	aga	ctg	atc	cac	tcc	ctg	ccc	acc	agt	960	
232	Val	Gly	Gln	Asp	Phe	Arg	Glu	Arg	Leu	Ile	His	Ser	Leu	Pro	Thr	Ser		
233	305			310			315			320								
235	ctg	gag	agg	gcc	ctg	tct	gag	gac	tca	gcc	cca	act	aat	gac	acg	gct	1008	
236	Leu	Glu	Arg	Ala	Leu	Ser	Glu	Asp	Ser	Ala	Pro	Thr	Asn	Asp	Thr	Ala		
237				325			330			335								
239	gcc	aat	tct	gct	tca	cct	cct	gca	gag	act	gag	tta	cag	gca	atg	1053		
240	Ala	Asn	Ser	Ala	Ser	Pro	Pro	Ala	Glu	Thr	Glu	Leu	Gln	Ala	Met			
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244	<211>	LENGTH:	351															
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246	<213>	ORGANISM:	Rat															
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250					5						10				15			
251	Tyr	Asp	Ser	Thr	Ile	Ser	Arg	Val	Leu	Trp	Ile	Leu	Thr	Met	Val	Val		
252					20						25				30			
253	Leu	Ser	Ile	Thr	Phe	Val	Leu	Gly	Val	Leu	Gly	Asn	Gly	Leu	Val	Ile		
254					35						40				45			
255	Trp	Val	Ala	Gly	Phe	Arg	Met	Val	His	Thr	Val	Thr	Thr	Thr	Cys	Phe		
256					50						55				60			
257	Leu	Asn	Leu	Ala	Leu	Ala	Asp	Phe	Ser	Phe	Thr	Val	Thr	Leu	Pro	Phe		
258					65						70				75		80	
259	Phe	Val	Ile	Ser	Ile	Ala	Met	Lys	Glu	Lys	Trp	Pro	Phe	Gly	Trp	Phe		
260					85						90				95			
261	Leu	Cys	Lys	Leu	Val	His	Ile	Val	Val	Asp	Ile	Asn	Leu	Phe	Gly	Ser		
262					100						105				110			
263	Val	Phe	Leu	Ile	Ala	Leu	Ile	Ala	Leu	Asp	Arg	Cys	Ile	Cys	Val	Leu		
264					115						120				125			
265	His	Pro	Val	Trp	Ala	Gln	Asn	His	Arg	Thr	Val	Ser	Leu	Ala	Arg	Lys		
266					130						135				140			
267	Val	Val	Val	Gly	Pro	Trp	Ile	Leu	Ala	Leu	Ile	Leu	Thr	Leu	Pro	Ile		
268					145						150				155		160	
269	Phe	Ile	Phe	Met	Thr	Thr	Val	Arg	Ile	Pro	Gly	Gly	Asn	Val	Tyr	Cys		
270					165						170				175			
271	Thr	Phe	Asn	Phe	Ala	Ser	Trp	Gly	Asn	Thr	Ala	Glu	Glu	Leu	Leu	Asn		
272					180						185				190			
273	Ile	Ala	Asn	Thr	Phe	Val	Thr	Val	Arg	Gly	Ser	Ile	Arg	Phe	Ile	Ile		
274					195						200				205			
275	Gly	Phe	Ile	Met	Pro	Met	Ser	Ile	Val	Ala	Ile	Cys	Tyr	Gly	Leu	Ile		
276					210						215				220			
277	Ala	Val	Lys	Ile	His	Arg	Arg	Ala	Leu	Val	Asn	Ser	Ser	Arg	Pro	Leu		
278					225						230				235		240	
279	Arg	Val	Leu	Thr	Ala	Val	Val	Ala	Ser	Phe	Phe	Ile	Cys	Trp	Phe	Pro		

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/534,082A

DATE: 08/15/2006

TIME: 13:18:45

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\08152006\J534082A.raw

280	245	250	255	
281	Phe Gln Leu Val Ala Leu Leu Gly Thr Ile Trp Phe Lys Glu Ser Leu			
282	260	265	270	
283	Phe Ser Gly Arg Tyr Lys Ile Leu Asp Met Trp Val His Pro Thr Ser			
284	275	280	285	
285	Ser Leu Ala Tyr Phe Asn Ser Cys Leu Asn Pro Met Leu Tyr Ala Phe			
286	290	295	300	
287	Met Gly Gln Asp Phe His Glu Arg Leu Ile His Ser Leu Pro Ser Ser			
288	305	310	315	320
289	Leu Glu Arg Ala Leu Ser Glu Asp Ser Gly Gln Thr Ser Asp Thr Gly			
290	325	330	335	
291	Ile Ser Ser Ala Leu Pro Pro Val Asn Ile Asp Ile Lys Ala Ile			
292	340	345	350	
294	<210> SEQ ID NO: 5			
295	<211> LENGTH: 1053			
296	<212> TYPE: DNA			
297	<213> ORGANISM: Rat			
299	<400> SEQUENCE: 5			
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301	atctccagag ttttgtggat cctcacaatg gtgggtctct ccatcacctt tgcctgggt	120		
302	gtgctggta atggactagt gatctggta gctggattcc ggatggtaca cactgtcacc	180		
303	actacctgtt ttctgaatct agctttggct gacttctctt tcacagtgc tctaccattc	240		
304	tttgcatct caattgctat gaaagaaaaa tggccctttt gatggttcct gtgtaaattta	300		
305	gttcacattt tagtagacat aaacctctt ggaagtgtct tcctgattgc tttattgcc	360		
306	ttggaccgct gcatttgcgt cctgcatcca gtctgggctc agaaccacccg cactgtgagc	420		
307	ctggcttagga aggtgggtt tggccctgg attttagctc tgattctcac tttgcccatt	480		
308	tttatttca tgactacagt tagaattcct ggaggcaatg tgtactgtac attcaacttc	540		
309	gcatcctggg gtaacactgc tgaagaacta ttgaacatag ctaacactt tgtaacagtt	600		
310	agagggagca tcaggttcat tattggcttc ataatgccta tgcattgt tgccatctgc	660		
311	tatggactca tcgctgtcaa gatccacaga agagacttg ttaattccag cggccattt	720		
312	agagtcccta cagcagttgt ggcttccttc tttatctgtt ggttccctt tcaactggtg	780		
313	gcccttttag gtacaatctg gtttaaagag tcattgtta gtggcgta caaaattctt	840		
314	gacatgtggg ttcacccaaac cagctcattt gcctacttca atagttgcct caatccaatg	900		
315	ctctatgctt tcatgggcca ggactttcat gaaagactga ttcattccct gccttccagt	960		
316	ctggagagag ccctgagtga ggactctggc caaaccagtg atacaggcat cagttctgct	1020		
317	ttacctcctg taaaacattga tataaaagca ata	1053		
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320	<211> LENGTH: 351			
321	<212> TYPE: PRT			
322	<213> ORGANISM: Mouse			
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327	Tyr Asp Ser Thr Ile Ser Arg Val Leu Trp Ile Leu Ser Met Val Val			
328	20	25	30	
329	Val Ser Ile Thr Phe Phe Leu Gly Val Leu Gly Asn Gly Leu Val Ile			
330	35	40	45	
331	Trp Val Ala Gly Phe Arg Met Pro His Thr Val Thr Ile Trp Tyr			
332	50	55	60	

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/534,082A

DATE: 08/15/2006

TIME: 13:18:46

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\08152006\J534082A.raw

Raw Sequence Listing before editing (for reference only)



PCT

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/534,082A

DATE: 08/10/2006
TIME: 09:39:35

Input Set : A:\3118 us0p seq.txt
Output Set: N:\CRF4\08102006\J534082A.raw

3 <110> APPLICANT: HINUMA, Shuji
4 KOBAYASHI, Makoto
5 HABATA, Yugo
6 HARADA, Masataka
7 OKUBO, Shoichi
8 YOSHIDA, Hiromi
9 NISHI, Kazunori
12 <120> TITLE OF INVENTION: A Novel Ligand For FPRL1 And Its Use
14 <130> FILE REFERENCE: 3118 US0P
16 <140> CURRENT APPLICATION NUMBER: US/10/534,082A
17 <141> CURRENT FILING DATE: 2005-05-05
19 <150> PRIOR APPLICATION NUMBER: PCT/JP2003/014138
20 <151> PRIOR FILING DATE: 2003-11-06
22 <150> PRIOR APPLICATION NUMBER: JP 2002-324189
23 <151> PRIOR FILING DATE: 2002-11-07
25 <150> PRIOR APPLICATION NUMBER: JP 2002-367119
26 <151> PRIOR FILING DATE: 2002-12-18
28 <150> PRIOR APPLICATION NUMBER: JP 2003-59073
29 <151> PRIOR FILING DATE: 2003-03-05
31 <150> PRIOR APPLICATION NUMBER: JP 2003-191359
32 <151> PRIOR FILING DATE: 2003-07-03
34 <150> PRIOR APPLICATION NUMBER: PCT/JP03/14138
35 <151> PRIOR FILING DATE: 2003-11-06
37 <160> NUMBER OF SEQ ID NOS: 24

Does Not Comply
Corrected Diskette Needed

ERRORED SEQUENCES

143 <210> SEQ ID NO: 3
144 <211> LENGTH: 1053
145 <212> TYPE: DNA
146 <213> ORGANISM: Homo sapiens
149 <220> FEATURE:
150 <221> NAME/KEY: CDS
151 <222> LOCATION: (1)..(1053)
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157 1 5 10 15
159 tat gag tct gct ggc tac act gtt ctg cgg atc ctc cca ttg gtg gtg 96
160 Tyr Glu Ser Ala Gly Tyr Thr Val Leu Arg Ile Leu Pro Leu Val Val
161 20 25 30
163 ctt ggg gtc acc ttt gtc ctc ggg gtc ctg ggc aat ggg ctt gtg atc 144

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/534,082A

DATE: 08/10/2006

TIME: 09:39:35

Input Set : A:\3118 us0p seq.txt

Output Set: N:\CRF4\08102006\J534082A.raw

164	Leu	Gly	Val	Thr	Phe	Val	Leu	Gly	Val	Leu	Gly	Asn	Gly	Leu	Val	Ile	
165		35				40				45							
167	tgg	gtg	gct	gga	ttc	cg	atg	aca	cg	aca	gtc	acc	acc	atc	tgt	tac	192
168	Trp	Val	Ala	Gly	Phe	Arg	Met	Thr	Arg	Thr	Val	Thr	Thr	Ile	Cys	Tyr	
169		50				55				60							
171	ctg	aac	ctg	gcc	ctg	gct	gac	ttt	tct	ttc	acg	gcc	aca	tta	cca	ttc	240
172	Leu	Asn	Leu	Ala	Leu	Ala	Asp	Phe	Ser	Phe	Thr	Ala	Thr	Leu	Pro	Phe	
173	65				70					75			80				
175	ctc	att	gtc	tcc	atg	gcc	atg	gga	gaa	aaa	tgg	cct	ttt	ggc	tgg	ttc	288
176	Leu	Ile	Val	Ser	Met	Ala	Met	Gly	Glu	Lys	Trp	Pro	Phe	Gly	Trp	Phe	
177					85				90			95					
179	ctg	tgt	aag	tta	att	cac	atc	gtg	gtg	gac	atc	aac	ctc	ttt	gga	agt	336
180	Leu	Cys	Lys	Leu	Ile	His	Ile	Val	Val	Asp	Ile	Asn	Leu	Phe	Gly	Ser	
181					100				105			110					
183	gtc	tcc	ttt	att	ggt	ttc	att	gca	ctg	gac	cg	tgc	att	tgt	gtc	ctg	384
184	Val	Phe	Leu	Ile	Gly	Phe	Ile	Ala	Leu	Asp	Arg	Cys	Ile	Cys	Val	Leu	
185		115				120				125							
187	cat	cca	gtc	tgg	gcc	cag	aac	cac	cg	act	gtg	agt	ctg	gcc	atg	aag	432
188	His	Pro	Val	Trp	Ala	Gln	Asn	His	Arg	Thr	Val	Ser	Leu	Ala	Met	Lys	
189		130				135				140							
191	gtg	atc	gtc	gga	cct	tgg	att	ctt	gct	cta	gtc	ctt	acc	ttg	cca	gtt	480
192	Val	Ile	Val	Gly	Pro	Trp	Ile	Leu	Ala	Leu	Val	Leu	Thr	Leu	Pro	Val	
193	145				150				155			160					
195	tcc	ctc	ttt	ttg	act	aca	gt	act	att	cca	aat	ggg	gac	aca	tac	tgt	528
196	Phe	Leu	Phe	Leu	Thr	Thr	Val	Thr	Ile	Pro	Asn	Gly	Asp	Thr	Tyr	Cys	
197					165				170			175					
199	act	tcc	aac	ttt	gca	tcc	tgg	ggt	ggc	acc	cct	gag	gag	agg	ctg	aag	576
200	Thr	Phe	Asn	Phe	Ala	Ser	Trp	Gly	Gly	Thr	Pro	Glu	Glu	Arg	Leu	Lys	
201		180				185				190							
203	gtg	gcc	att	acc	atg	ctg	aca	gcc	aga	ggg	att	atc	cg	ttt	gtc	att	624
204	Val	Ala	Ile	Thr	Met	Leu	Thr	Ala	Arg	Gly	Ile	Ile	Arg	Phe	Val	Ile	
205		195				200				205							
207	ggc	ttt	agc	ttt	ccg	atg	tcc	att	gtt	gcc	atc	tgc	tat	ggg	ctc	att	672
208	Gly	Phe	Ser	Leu	Pro	Met	Ser	Ile	Val	Ala	Ile	Cys	Tyr	Gly	Leu	Ile	
209		210				215				220							
211	gca	gcc	aag	atc	cac	aaa	aag	ggc	atg	att	aaa	tcc	agc	cgt	ccc	tta	720
212	Ala	Ala	Lys	Ile	His	Lys	Lys	Gly	Met	Ile	Lys	Ser	Ser	Arg	Pro	Leu	
213	225				230				235			240					
215	cgg	gtc	ctc	act	gt	gt	gt	gct	tct	ttc	atc	tgt	tgg	ttt	ccc		768
216	Arg	Val	Leu	Thr	Ala	Val	Ala	Ser	Phe	Phe	Ile	Cys	Trp	Phe	Pro		
217		245				250				255							
219	ttt	caa	ctg	gtt	gcc	ctt	ctg	ggc	acc	gtc	tgg	ctc	aaa	gag	atg	ttt	816
220	Phe	Gln	Leu	Val	Ala	Leu	Leu	Gly	Thr	Val	Trp	Leu	Lys	Glu	Met	Leu	
221		260				265				270							
223	tcc	tat	ggc	aag	tac	aaa	atc	att	gac	atc	ctg	gtt	aac	cca	acg	acg	864
224	Phe	Tyr	Gly	Lys	Tyr	Lys	Ile	Ile	Asp	Ile	Leu	Val	Asn	Pro	Thr	Ser	
225		275				280				285							
227	tcc	ctg	gcc	ttc	ttc	aac	agc	tgc	ctc	aac	ccc	atg	ctt	tac	gtc	ttt	912
228	Ser	Leu	Ala	Phe	Phe	Asn	Ser	Cys	Leu	Asn	Pro	Met	Leu	Tyr	Val	Phe	

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/534,082A

DATE: 08/10/2006
TIME: 09:39:35

Input Set : A:\3118_us0p_seq.txt
Output Set: N:\CRF4\08102006\J534082A.raw

229	290	295	300	
231	gtg ggc caa gac ttc cga gag aga ctg atc cac tcc ctg ccc acc agt			960
232	Val Gly Gln Asp Phe Arg Glu Arg Leu Ile His Ser Leu Pro Thr Ser			
233	305	310	315	320
235	ctg gag agg gcc ctg tct gag gac tca gcc cca act aat gac acg gct			1008
236	Leu Glu Arg Ala Leu Ser Glu Asp Ser Ala Pro Thr Asn Asp Thr Ala			
237	325	330	335	
239	gcc aat tct gct tca cct cct gca gag act gag tta cag gca atg			1053
240	Ala Asn Ser Ala Ser Pro Pro Ala Glu Thr Glu Leu Gln Ala Met			
241	340	345	350	

VERIFICATION SUMMARY

PATENT APPLICATION: **US/10/534,082A**

DATE: 08/10/2006

TIME: 09:39:36

Input Set : **A:\3118 us0p seq.txt**

Output Set: **N:\CRF4\08102006\J534082A.raw**

L:154 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQUENCE ID NOS:3 differs:1